

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

n re Application of:

Gudmundur G. Haraldsson et al.

Serial No.:

10/623,825

Group No.: 1618

Filed:

7/21/03

Examiner:

Ebrahim

Entitled:

Triacylglycerols of Enriched CLA Content

TRANSMITTAL OF PTO FORM-1449

Mail Stop Amendment **Commissioner for Patents** P.O. Box 1450 Alexandria, VA 22313-1450

CERTIFICATE OF MAILING UNDER 37 CFR § 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, V/1 22313-1450, on February 5, 2007.

Mary Ellen Waite

Sir or Madam:

Enclosed please find a Form PTO-1449, for filing in the U.S. Patent and Trademark Office. This application is a continuation of U.S. Serial No. 09/160,416, filed 9/25/1998.

A check for \$180.00 is also enclosed pursuant to 37 C.F.R. § 1.17(p) for filing this paper.

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

Dated: February 5, 2007

Registration No. 55,210

02/15/2007 EAYALEU1 00000046 10598025

01 FC:160S

160.60 GP

MEDLEN & CARROLL, LLP 101 Howard Street, Suite 305 San Francisco, California 94105

608/218-6900

Serial No.: 10/623,825 Attorney Docket No.: Conlinco-08305 U.S. Department of Commerce FORM PTO-1449 Patent and Trademark Office (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary) (37 CFR § 1.98(b)) Applicant: Haraldsson et al. Group Art Unit: 1618 Filing Date: 07/21/2003 FEB 1 5 2007 U.S. PATENT DOCUMENTS Class Subclass Filing Date Applicant / Patentee Issue Date Patent Examiner Number No. Initials 02/27/96 514 560 112/17/96 Cook, et al. 5,585,400 11/06/95 452 09/30/97 Cook, et al. 246 2 5,674,901 558 04/29/92 07/04/95 Cook, et al. 514 3 5,430,066 09/10/96 Cook, et al. 514 560 08/29/94 5,554,646 4 514 560 01/22/93 Cook, et al. 5,428,072 06/27/95 260 405.6 07/08/77 4,164,505 08/14/79 Krajca 6 12/03/96 435 134 01/05/99 Pariza et al. 7 5,856,149 08/28/96 514 560 09/29/98 8 5,814,663 Cook et al. 08/07/96 424 440 09/08/98 Cook et al. 9 5,804,210 08/18/97 558 514 10 5,827,885 10/27/98 Cook et al. 04/25/97 2 426 12/22/98 Cook et al. 5,851,572 11 12/04/96 424 502 01/05/99 Cook et al. 12 5,855,917 398 06/22/38 5/20/1941 Burr 260 13 2,242,230 260 195.6 02/08/41 2,350,583 06/06/1944 Bradley 14 260 405.6 11/21/60 12/22/1964 Baltes et al. 15 3,162,658 260 405.6 01/19/65 Rathjen et al. 16 3,278,567 10/11/1966 195 30 08/31/71 Emken 3,729,379 4/24/1973 17 2/17/89 514 558 Pariza et al. 5,017,614 5/21/1991 18 549 2/2/90 514 19 5,070,104 12/3/1991 Pariza et al. 3/3/91 79 554 20 5,208,356 5/4/1993 Pariza et al. 7/22/96 424 442 Cook et al. 5,725,873 3/10/1998 21 514 560 6/7/96 5,760,082 6/2/1998 Cook et al. 22 8/7/96 560 23 5,760,083 6/2/1998 Cook et al. 514 405.6 5/20/81 260 24 4,381,264 4/26/1983 Struve 126 10/24/97 554 11/16/99 lwata et al. 25 5,986,116 03/27/97 Nilsen et al. 424 401 5,885,594 03/23/99 26 554 169 03/13/93 Gupta 5,468,887 11/21/91 27 558 03/17/98 514 28 6,015,833 01/18/2000 Saebo et al. 435 134 06/22/92 5,288,619 02/22/94 Brown et al. 29

Date Considered:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with

Examiner:

EXAMINER:

next communication to applicant.

Attorney Docket No.: Conlinco-08305 Serial No.: 10/623,825 U.S. Department of Commerce FORM PTO-1449 Patent and Trademark Office (Modified) INFORMATIOON DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary) (37 CFR § 1.98(b)) Applicant: Haroldsson et al. Group Art Unit: 1618 Filing Date: 07/21/2003 FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS Country / Patent Office Class Subclass Translation **Publication Date** Document Number Yes No **PCT** A61K 31/20 WO 97/46230 12/11/97 30 9/00 6/18/97 EP A23D 779,033 A1 31 31/20 WO 98/05318 2/12/98 **PCT** A61K 32 31/20 **PCT** A61K 33 WO 98/05319 2/12/98 A23K 1/16 PCT A23L 1/30 12/11/97 WO 97/46118 34 7/00 A23D 9/152 A23C A23 **PCT** WO 97/18320 05/22/97 35 A23L A61K WO 98/49129 PCT 36 C07D 209/28 PCT WO 96/34855 11/7/96 37 31/23 A61K 69/587 C07C A23D 9/05 PCT 10/16/97 38 WO 97/37546 CIIB 15/00 39 WO 96/38137 12/05/96 **PCT** A61K A23C A23L 07/1964 ΑU 253,031 40 558,881 GB 41 OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication) Cowan, "Isomerization and Trans-Esterifiation," JAOCS 72:492-99 (1950) 42 Christie et al., "Isomers in Commercial Samples of Conjugated Linoleic Acid," JAOCS 74 (11):1231 (1997) 43 Kepler et al., J. Biol. Chem. 241:1350-54 (1966) 44 W. Parodi, J. Nutr. 127(6):1055-60 (1997) 45 Belury, "Conjugated Dienoic Linoleate: A Polyunsaturated Fatty Acid with Unique Chemoprotective Properties," Nut. Rev. 53(4):83-9 (1995) <u>46</u> Ha et al., Cancer Res., 50:1097 (1991) 47 Birt et al., Cancer Res., 52:2035-s (1992) 48 49 Ip, Am. J. Clin. Nutr. 66(6):1523s (1997) Sehat et al., Lipids 33(2):217-21 (1998) 50 Jie, et al., "High-Resolution Nuclear Magnetic Resonance Spectroscopy - Amplification to Fatty Acids and Triacylglycerols," Lipids 32 (10): 51 1019-34 (1997<u>)</u> Scholfield and Koritalia, "A Simple Method for Preparation of Methyl trans-10.cis-12 Octadecadienoate," JOACS 47(8):303 (1970) 52 Ron Udell, Information About Conjugated Linoleic Acid, published by Soft Gel Technologies Incorporated 53 Sugano et al., "Conjugated Linoleic Acid Modulates Tissue Levels of Chemical Mediators and Immunoglobulins in Rats," Lipids, 33(5):521-27 54 (1998)Date Considered: Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with EXAMINER:

next communication to applicant.

FORM PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: Conlinco-08305	Serial No.: 10/623,825					
INFORMATI	ON DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)							
(37 CFR § 1.98(b))		L						
		Applicant: Haroldsson et al.						
		Filing Date: 07/21/2003	Group Art Unit: 1618					
	OTHER DOCUMENTS (Including Author, Title, D.	ate, Relevant Pages, Place of Publication)						
55	Matreya Catalog, 1997, pp. 33-34							
56	Selin CLA Product Literature, 1/97							
57	Hudtwalcker & Co. AS Technical Data Sheet, exact publication date unknown							
58	Lipid Technology Newsletter, Peter J. Barnes, Ed., Vol. 4, No. 5, pp 85-86 (October, 1998)							
59	Natural Lipids Ltd. AS Technical Data Sheet, 1/20/97							
60	Theil et al., "Conjugated Linoleic Acid Improves Performance and Body Composition in Swine," Iowa State University, Midwest Animal Sciences Meeting, Abstract 127:61 (1998)							
61	Quinn et al., "A Comparison of Modified Tall Oil and Conjugated Linoleic Acid on Growing-Finishing Pig Growth Performance and Carcass Characteristics," Kansas State University and Lonza, Inc., Midwest Animal Sciences Meeting, Abstracat 128:61 (1998)							
62	Dugan et al., "The Effect of Conjugated Linoleic Acid on Fat to Lean Repartitioning and Feed Conversion in Pigs," Canadian Journal of Animal Science 77:723-725 (1997)							
63	Shantha et al., "Conjugated Linoleic Acid Concentrations in Processed Cheese Containing Hydrogen Donors, Iron and Dairy - Based Additives," Food Chemistry 47:257-261 (1993)							
64	Bradley et al., "Alkali-Induced Isomerization of Drying Oils and	Fatty Acids," Ind. Eng. Chem. 34(2):237-2	42 (1942)					
65	Jie et al., "Synthesis and Nuclear Magnetic Resonance Properties of All Geometrical Isomers of Conjugated Linoleic Acids," Lipids 32(10):1041-1044 (1997)							
66	Arcos et al., "Rapid Enzymatic Production of acylglycerols from conjugated linoleic acid and glyerol in the solvent-free system," Biotechnology Letters 20:617 (1998)							
67	Holman et al., "Unusual Isomeric Polyunsaturated Fatty Acids in Liver Phospholipids of Rats Fed Hydrogenated Oil," PNAS 88:4830-34 (1991)							
68	Radlove et al., "Catalytic Isomerization of Vegetable Oils," Ind. Eng. Chem. 38(10):997-1002 (1946)							
69	Sebedio et al., "Linoleic Acid Isomers in Heat Treated Sunflower Oils," JAOCS 65(3):362-366 (1988)							
70	Sebedio et al., "Metabolites of Conjugated Isomers of Linoleic Acid (CLA) in the Rat," Biochem. Biophys. Acta 1345:5-10 (1997)							
71	Chin et al., "Dietary Sources of Conjugated Dienoic Isomers of Linoleic Acids, a Newly Recognized Class of Anticarcinogens," J. Food. Comp. Anal. 5:185-197 (1992)							
72	Park et al., "Effect of Conjugated Linoleic Acid on Body Composition in Mice," Lipids 32(8):853-58 (1997)							
73	Berdeau et al., "A Simply Method of Preparation of Methyl trans-10, cis-12- and cis-9, trans-11-Octadecadienoates from Methyl Linoleate," JAOCS 75:1749-1755 (1998)							
74	Haraldsson et al., "The Preparation of Concentrates of Eicosapentaenoic Acid And Docosahexaenoic Acid By Lipase-Catalyzed Transesterification of Fish Oil With Ethanol," JAOCS 74:1419-1424 (1997)							
75	Haraldsson et al., "The Synthesis Of Homogeneous Triglycerides of Eicosapentaenoic Acid And Docosahexaenoic Acid by Lipase," Tetrahedron 51:941-952 (1995)							
76	Haraldsson et al., "Studies on the Positional Specificity of Lipase from Mucor meihei during Interesterification Reactions of Cod Liver Oil with n-3 Polyunsaturated Fatty Acid and Ethyl Ester Concentrates," Acta Chemica Scandinavica 45:723-730 (1991)							
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with								

FORM PTO-14 (Modified)	•		Attorney Docket No.: CONLINCO- 08305		Serial No.: 10/623,825					
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary)										
(37 CFR § 1.9	8(b))						<u> </u>			
				Applicant: Gudmundur G. Haraldsson et al.						
					Filing Date: 07/21/2003		Group Art Unit: 1618			
				U.S. PATENT DOC			6.1.1	Filing	Data	
Examiner	Cite	Serial / Patent	Issue Date	Applicant / Patentee		Class	Subclass	Filing Date		
Initials	No. 76	Number	2/6/01	Cain et al.		435	134	9/30/98		
	76	6,184,009	2/0/01	Cam er ur.						
	L		FOREIGN PATENTS	OR PUBLISHED FO	REIGN PATENT APPL	ICATIONS				
		Document	Publication Date	-	Country / Patent Office Cla		Subclass	Translation		
		Number								
		_					<u> </u>	Yes	No_	
	77	WO 01/44485 A	2001-06-21		PCT					
	78 ·	WO 01/53512 A	2001-07-26		PCt		<u> </u>			
	79	EP 0950410	18/12/ 2000	<u>EP</u>				-		
								 		
			l	<u> </u>				<u> </u>	<u> </u>	
	T				Date, Relevant Pages, Pl	ace of Publication)				
	80	Banni et al., J. of Lipid Research 42:1056 (2001)								
	81	Chuang et al., Lipids 36:139 (2001)								
	82 83	Bretillon et al., Lipids 34:965 (1999)								
	84	Janssen et al., Biomedical And Environmental Mass Spectrometry 16:1-6 (1988)								
	85	Park et al., Lipids 34:235-241 (1999) Sebedio et al., Lipids 34:1319-1325 (1999)								
	86		Zambell <i>et al.</i> , Lipids 35:777-782 (2000)							
	87	Blankson et al., American Society for Nutritional Sciences 1-6 (2000)								
	88	Yurawecz et al., Lip								
Examiner:					Date Considered:					
EXAMINER:	Ini	tial citation considered	Draw line through cit	tation if not in conform	nance and not considere	d. Include				
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include										